

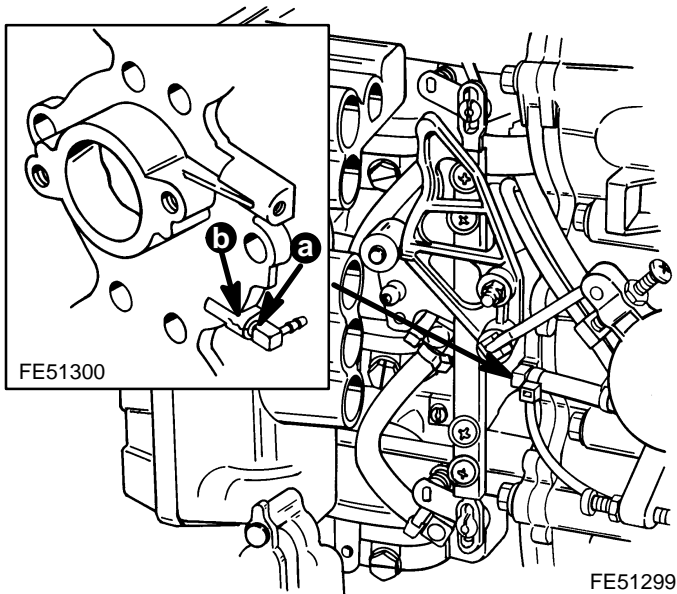
Intake Manifold Leak - 1991 Mariner/Mercury 50 & 60 51.8 CID (849cc)

1991 Mariner/Mercury 50/60
51.8 CID (849cc)

United States

s/n 0D041594 thru 0D054676

Outboards listed, may have developed a crack in the intake manifold, during the installation of the elbow fitting for the enrichener line. (Figure 1)



a - Enrichener Line Elbow Fitting
b - Location of Possible Crack in Casting

Figure 1. Intake Manifold Leak

PARTS REQUIRED:

| | | |
|--------|---------------|---------------------------|
| Qty. 1 | p/n 19076A1 | *Intake Manifold Assembly |
| Qty. 3 | p/n 27-814446 | Flange Gasket |
| Qty. 3 | p/n 54-816311 | Sta-strap |

*Intake manifold assembly p/n 19076A1 - includes manifold gasket and elbow fitting for enrichener line.

INSPECTION:

Intake manifolds of outboards listed, should be visually inspected during pre-delivery, or when unit is brought in for other service work. If the intake manifold casting is cracked in the area of the enrichener line elbow fitting, the manifold must be replaced.

REPAIR PROCEDURE:

Disassembly

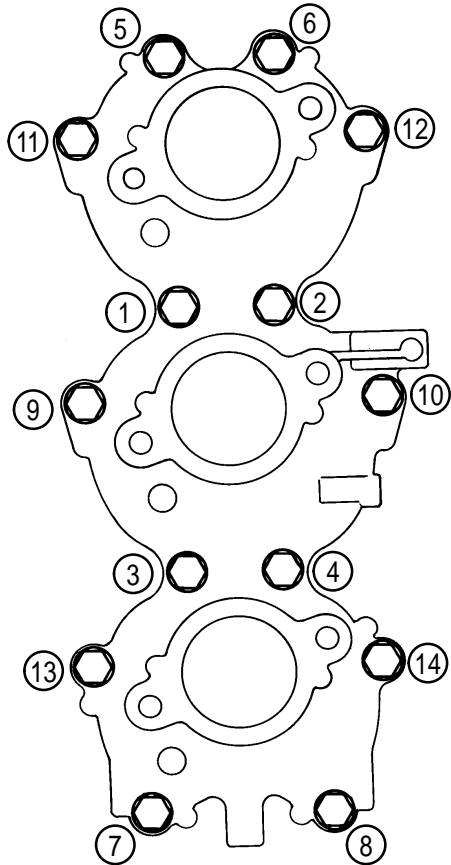
1. Remove flywheel cover and carburetor air box.
2. Move oil tank aside to gain access to carburetors.
3. Disconnect carburetor fuel feed line and enrichener fuel feed line from top carburetor.
4. Remove all three carburetors as an assembly.
5. Remove nut and washer securing throttle cam to stud of intake manifold and disconnect enrichener line from elbow fitting of intake manifold.
6. Remove intake manifold.

Reassembly

1. Position new intake manifold [with new gasket (see NOTE below)] over reed blocks, guiding stud of manifold into pivot hole in throttle cam.

NOTE: Intake manifold gasket will only fit one way, as indicated by the outer set of mounting holes of the center manifold.

- Secure intake manifold and flywheel cover bracket. Torque bolts to 18 lb. ft. (24 N-m). (Figure 2)



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Figure 2. Intake Manifold Torque Sequence

- Connect enrichener line to elbow fitting on intake manifold and secure with sta-strap.

- Using new flange gaskets, secure all three carburetors as an assembly to intake manifold. Torque carburetor mounting bolts to 100 lb. in. (11.3 N-m).
- Secure carburetor feed line and enrichener valve feed line to top carburetor fittings with sta-straps.
- Position oil tank in it's mounts.
- Install carburetor air box and flywheel cover.
- Refer to "New Model Technical Information" booklet (SIS-1041) and perform steps as listed in "Timing/Synchronizing/Adjusting."

WARRANTY:

Complete warranty claim listing:

- Outboard serial number.
- Qty. 1 p/n 19076A1 *Intake Manifold Assembly
- Qty. 3 p/n 27-814446 Flange Gasket
- Qty. 3 p/n 54-816311 Sta-strap
- One and one half (1.5) hours labor.
- Flat rate code EXCP.

*Intake manifold assembly p/n 19076A1 - includes manifold gasket and elbow fitting for enrichener.